

| | Type | Hits | Search Text | DBs |
|----|------|--------|---|--|
| 1 | IS&R | 1 | ("6203180").PN. | USPAT |
| 2 | BRS | 4 | ("4158223" "4794373" "5661374" "5803579").PN. | US-PGPUB; USPAT; USOCR |
| 3 | BRS | 9 | ("6203180").URPN. | USPAT |
| 4 | BRS | 400275 | control with outputs | USPAT |
| 5 | BRS | 12111 | light\$4 units | USPAT |
| 6 | BRS | 222499 | (light emitting diod\$4) or "LED" | USPAT |
| 7 | BRS | 53074 | S4 and S6 | USPAT |
| 8 | BRS | 4498 | S6 same (series and parallel) | USPAT |
| 9 | BRS | 290 | S8 and (pulse width modulat\$5) | USPAT |
| 10 | BRS | 170 | S9 and (flash\$4 or twinkl\$5 or running or moving or (color chang\$5)) | USPAT |
| 11 | BRS | 222499 | (light emitting diod\$4) or "LED" | USPAT |
| 12 | BRS | 400275 | control with outputs | USPAT |
| 13 | BRS | 53074 | S12 and S11 | USPAT |
| 14 | BRS | 4498 | S11 same (series and parallel) | USPAT |
| 15 | BRS | 290 | S14 and (pulse width modulat\$5) | USPAT |
| 16 | BRS | 170 | S15 and (flash\$4 or twinkl\$5 or running or moving or (color chang\$5)) | USPAT |
| 17 | BRS | 106 | S15 and (flash\$4 or twinkl\$5 or running or moving or (color chang\$5)) and (display or sign or images) | USPAT |
| 18 | BRS | 33 | S15 and (flash\$4 or twinkl\$5 or running or moving or (color chang\$5)) and (display or sign or images) and (constant current) | USPAT |
| 19 | BRS | 2084 | S13 and S14 | USPAT |
| 20 | BRS | 225 | S19 and S15 | USPAT |
| 21 | BRS | 225 | S19 and (pulse width modulat\$5) | USPAT |
| 22 | BRS | 132 | S21 and (flash\$4 or twinkl\$5 or running or moving or (color chang\$5)) | USPAT |
| 23 | BRS | 28 | S22 and (display or sign or images) and (constant current) | USPAT |
| 24 | BRS | 3009 | 362/471,479,488,490,227,231,276,8020,812,540.ccls. | USPAT |
| 25 | BRS | 654 | 362/471,479,488,490,227,231,276,8020,812,540.ccls. and S11 | USPAT |
| 26 | BRS | 283 | S25 and (interior or ceiling or wall o) | USPAT |
| 27 | BRS | 75 | 362/471,479,488,490.ccls. and S11 | USPAT |
| 28 | IS&R | 1 | ("6303180").PN. | USPAT |
| 29 | IS&R | 1 | ("6203180").PN. | USPAT |
| 30 | IS&R | 2 | ((("6203180") or ("6481877"))).PN. | USPAT |
| 31 | BRS | 222499 | (light emitting diod\$4) or "LED" | USPAT |
| 32 | BRS | 4498 | S31 same (series and parallel) | USPAT |
| 33 | BRS | 290 | S32 and (pulse width modulat\$5) | USPAT |
| 34 | BRS | 170 | S33 and (flash\$4 or twinkl\$5 or running or moving or (color chang\$5)) | USPAT |
| 35 | IS&R | 1 | ("5008595").PN. | USPAT |
| 36 | BRS | 589 | 307/9.1.ccls. | USPAT |
| 37 | BRS | 1043 | 307/9.1.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |

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| 38 | BRS | 175 | 315/178.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
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|----|------|--------|--|--|
| 39 | BRS | 327 | 340/286.01.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 40 | BRS | 1541 | S37 or S38 or S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 41 | BRS | 117 | S40 and S31 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 42 | BRS | 3502 | 362/471,479,488,490,227,231,276,802,812,540.ccls. | USPAT |
| 43 | BRS | 175 | 315/178.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 44 | BRS | 331 | 340/286.01.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 45 | BRS | 1068 | 307/9.1.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 46 | BRS | 5069 | S42 or S43 or S44 or S45 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 47 | BRS | 228385 | (light emitting diode\$4) or "LED" | USPAT |
| 48 | BRS | 12532 | light\$4 units | USPAT |
| 49 | BRS | 237687 | S47 or S48 | USPAT |
| 50 | BRS | 108194 | S49 and (flash\$4 or twinkl\$5 or running or moving or (color chang\$5)) | USPAT |
| 51 | BRS | 48286 | S50 and series | USPAT |
| 52 | BRS | 29172 | S50 and series and parallel | USPAT |
| 53 | BRS | 25707 | S50 and series and parallel and control | USPAT |
| 54 | BRS | 20686 | S50 and series and parallel and control and (regulat\$5 or switch\$5) | USPAT |
| 55 | BRS | 4685 | (control\$5 output) with regulat\$5 | USPAT |
| 56 | BRS | 1 | S46 and S57 | USPAT |
| 57 | BRS | 7808 | (control\$5 output) same regulat\$5 | USPAT |
| 58 | BRS | 343 | S50 and series and parallel and S59 | USPAT |
| 59 | BRS | 4 | S46 and S60 | USPAT |
| 60 | BRS | 148 | S50 and series and parallel and S56 | USPAT |
| 61 | BRS | 106 | S46 and S54 | USPAT |
| 62 | BRS | 1117 | 362/470,471,479,488,490,276.ccls. | USPAT |
| 63 | BRS | 88 | 362/470,471,479,488,490,276.ccls. and S51 | USPAT |
| 64 | BRS | 60 | 362/470,471,479,488,490,276.ccls. and S52 | USPAT |
| 65 | BRS | 88 | S63 or S64 | USPAT |
| 66 | IS&R | 1 | ("6614124").PN. | USPAT |
| 67 | IS&R | 1 | ("6614126").PN. | USPAT |
| 68 | IS&R | 1 | ("6481877").PN. | USPAT |
| 69 | BRS | 3 | ("4329739" "4737764" "5848830").PN. | US-PGPUB; USPAT; USOCR |
| 70 | BRS | 3 | ("6481877").URPN. | USPAT |
| 71 | IS&R | 1 | ("5008595").PN. | USPAT |

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|-----|------|--------|---|------------------------|
| 72 | BRS | 8 | ("3875456" "3911423" "4329625" "4420711" "4445132" "4484105" "4647927" "4686425").PN. | US-PGPUB; USPAT; USOCR |
| 73 | BRS | 37 | ("5008595").URPN. | USPAT |
| 74 | BRS | 228385 | (light emitting diod\$4) or "LED" | USPAT |
| 75 | BRS | 12532 | light\$4 units | USPAT |
| 76 | BRS | 237687 | S74 or S75 | USPAT |
| 77 | BRS | 93653 | S76 and series | USPAT |
| 78 | BRS | 26202 | control\$4 with outputs with regulat\$4 | USPAT |
| 79 | BRS | 2434 | S77 and S78 | USPAT |
| 80 | BRS | 2 | S77 and S78 and (aircraft cabin) | USPAT |
| 81 | BRS | 0 | S77 and S78 and (automo\$5 cabin) | USPAT |
| 82 | BRS | 8 | S77 and S78 and (cabin) | USPAT |
| 83 | BRS | 8 | S80 or S82 | USPAT |
| 84 | BRS | 42 | S79 and "362"/\$.ccls. | USPAT |
| 85 | BRS | 145 | S79 and "315"/\$.ccls. | USPAT |
| 86 | BRS | 170 | S84 or S85 | USPAT |
| 87 | BRS | 113 | S86 and illuminat\$5 | USPAT |
| 88 | BRS | 166 | S86 and @ad < "20030120" | USPAT |
| 89 | BRS | 112 | S88 and illuminat\$5 | USPAT |
| 90 | BRS | 80 | S86 and (flash\$4 or twinkl\$5 or running or moving or (color chang\$5)) | USPAT |
| 91 | BRS | 4650 | (control\$4 outputs) with regulat\$4 | USPAT |
| 92 | BRS | 90556 | S74 and series | USPAT |
| 93 | BRS | 386 | S91 and S92 | USPAT |
| 94 | BRS | 183 | S93 and (flash\$4 or twinkl\$5 or running or moving or (color chang\$5)) | USPAT |
| 95 | BRS | 181 | S95 and @ad < "20030120" | USPAT |
| 96 | BRS | 3 | S91 and S92 and cabin | USPAT |
| 97 | BRS | 152 | S93 and (aircraft or bus or car or automobile) | USPAT |
| 98 | BRS | 145 | S97 and @ad < "20030120" | USPAT |
| 99 | BRS | 3719 | (aircraft or bus or autotomobile or vehicle) cabin | USPAT |
| 100 | BRS | 373 | (aircraft or bus or autotomobile or vehicle) cabin and illuminat\$5 | USPAT |
| 101 | BRS | 8901 | S74 with series | USPAT |
| 102 | BRS | 44 | S100 and S101 | USPAT |
| 103 | IS&R | 2 | ("5572183") or ("5140301").PN. | USPAT |
| 104 | BRS | 236202 | (light emitting diod\$4) or "LED" | USPAT |
| 105 | BRS | 421816 | control with outputs | USPAT |
| 106 | BRS | 56015 | S110 and S109 | USPAT |
| 107 | BRS | 3681 | S110 and S109 and (pulse width modulat\$5) | USPAT |
| 108 | BRS | 133 | S110 and S109 and (pulse width modulat\$5) and aircraft | USPAT |
| 109 | BRS | 0 | S110 and S109 and (pulse width modulat\$5) and (aircraft cabine) | USPAT |
| 110 | BRS | 5 | S110 and S109 and (pulse width modulat\$5) and (aircraft cabin) | USPAT |
| 111 | BRS | 14 | (aircraft cabin) with illumination | USPAT |

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| 112 | BRS | 1 | (aircraft cabin) with illumination and (pulse width modulat\$4) | USPAT |
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| 113 | BRS | 1 | (aircraft cabin) with illumination and S112 | USPAT |
| 114 | BRS | 57 | ("4158793" "4240009" "4300075" "4358716" "4383204" "4392087" "4464606" "4477748" "4492899" "4508995" "4511195" "4523131" "4560908" "4616159" "4626746").PN. OR ("4870327").URPN. | US-PGPUB; USPAT; USOCR |
| 115 | BRS | 5 | (aircraft cabin) and S112 | USPAT |
| 116 | BRS | 703 | S112 and illumination | USPAT |
| 117 | BRS | 78 | S112 and (illumination with (aircraft or vehicle)) | USPAT |
| 118 | BRS | 85 | ("3427458" "3473084" "3558892" "3670202" "3696344" "3705758" "3713042" "3720923" "3744906" "3764213" "3778791" "3790901").PN. OR ("3986022").URPN. | US-PGPUB; USPAT; USOCR |
| 119 | BRS | 2 | ("5008595" or "676690" or "6777891" or "5661374" or "4647927" or "615882" or "6670776" or "6402354").pn. and S112 | USPAT |
| 120 | BRS | 50 | ("3875456" "3911423" "4329625" "4420711" "4445132" "4484105" "4647927" "4686425").PN. OR ("5008595").URPN. | US-PGPUB; USPAT; USOCR |
| 121 | BRS | 3 | ("6806659" or "6801003" or "6777891" or "6690120" or "6608453" or "4647927").pn. and S112 | USPAT |
| 122 | IS&R | 0 | ("60166038").PN. | USPAT |
| 123 | IS&R | 1 | ("6016038").PN. | USPAT |
| 124 | IS&R | 1 | ("5008595").PN. | USPAT |
| 125 | IS&R | 2 | ((("5008595" or ("4870325"))).PN. | USPAT |
| 126 | IS&R | 1 | ("5008595").PN. | USPAT |
| 127 | IS&R | 1 | ("6670776").PN. | USPAT |
| 128 | IS&R | 4 | ((("6670776" or ("5661776") or ("6777891") or ("5008595"))).PN. | USPAT |
| 129 | BRS | 236202 | (light emitting diod\$4) or "LED" | USPAT |
| 130 | BRS | 4717 | S134 same (series and parallel) | USPAT |
| 131 | BRS | 10548 | control same outputs same (pulse width modulat\$4) | USPAT |
| 132 | BRS | 152 | S135 and S136 | USPAT |
| 133 | BRS | 56 | 362/471.ccls. | USPAT |
| 134 | BRS | 80 | 362/471.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 135 | BRS | 7355 | 362/470,479,488,490,227,231,276,802,812,540.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 136 | BRS | 176 | 315/178.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 137 | BRS | 338 | 340/286.01.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |

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|-----|------|------|----------------------|--|
| 138 | BRS | 7868 | S140 or S141 or S142 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 139 | BRS | 5 | S143 and S137 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |